

[0046] What is claimed is:

1. A downhole tool comprising:
 - a body defining a passageway and including a plurality of production openings and at least one frac opening;
 - a packer disposed about the body and operable to secure the downhole tool in a well; and
 - a frac mandrel operable within the passageway, wherein the frac mandrel is operable to facilitate a production enhancement operation through the body and further operable to set the packer.
2. The downhole tool of claim 1 wherein the well is an openhole well.
3. The downhole tool of claim 1 wherein the well is a cased well.
4. The downhole tool of claim 1 wherein the body comprises a liner selected from the group consisting of a slotted liner and a screen liner.
5. The downhole tool of claim 1 wherein the packer comprises two packers disposed about the body and disposed on either side of the frac opening.
6. The downhole tool of claim 1 wherein the packer is an inflatable packer.
7. The downhole tool of claim 6 wherein the frac mandrel is further operable to inflate the inflatable packer with a frac fluid.
8. The downhole tool of claim 1 wherein the frac opening comprises a frac jet.
9. The downhole tool of claim 1 further comprising a sleeve slidably disposed within the passageway, wherein the sleeve is configured to allow a frac fluid to flow through the frac opening when in an open position and to prevent particles from flowing through the frac opening during production of the well when in a closed position.

10. The downhole tool of claim 9 further comprising a setting tool disposed at an end of the frac mandrel, wherein the setting tool is operable to move the sleeve between the open and closed positions.
11. The downhole tool of claim 10 wherein the setting tool is selected from the group consisting of a ball type setting tool and a drag block type setting tool.
12. The downhole tool of claim 1 further comprising a sleeve disposed within the passageway and coupled to the body with a shear pin, wherein the frac mandrel is operable to shear the shear pin to facilitate movement of the sleeve.
13. The downhole tool of claim 1 further comprising a ported sub coupled to the body, wherein the ported sub includes the at least one frac opening.
14. The downhole tool of claim 1 wherein the frac mandrel is coupled to the body with a shear pin, and the frac mandrel is operable to shear the shear pin to facilitate removal of the frac mandrel.
15. The downhole tool of claim 1 wherein the packer comprises two inflatable chambers disposed on either side of the frac opening, and the body includes conduits formed therein to facilitate filling of the inflatable chambers with a material suspended in a frac fluid during fracing.

16. A method of treating a well, comprising the steps of:
positioning a downhole tool within a well, the downhole tool comprising:
a body defining a passageway and including a plurality of production openings and at least one frac opening;
a frac mandrel disposed within the passageway; and
a packer disposed about the body;
securing the downhole tool in the well by setting the packer with the frac mandrel;
and
performing a production enhancement operation through the body.
17. The method of claim 16 further comprising the step of setting a liner hanger with the frac mandrel.
18. The method of claim 16 wherein the step of positioning the downhole tool within the well comprises the step of positioning the downhole tool within an openhole well.
19. The method of claim 16 wherein the step of positioning the downhole tool within the well comprises the step of positioning the downhole tool within a cased well.
20. The method of claim 16 wherein the step of securing the downhole tool in the well comprises the step of securing the downhole tool in the well with two packers disposed on either side of the frac opening.
21. The method of claim 16 wherein the packer is an inflatable packer, and the step of securing the downhole tool in the well comprises the step of inflating the inflatable packer with a frac fluid.
22. The method of claim 16 further comprising the step of selectively causing a frac fluid to flow through the frac opening with a sleeve disposed within the passageway.

23. The method of claim 16 further comprising the step of permanently closing the frac opening with a sleeve coupled to the body with a shear pin by shearing the shear pin to facilitate movement of the sleeve.

24. The method of claim 16 wherein the frac mandrel is coupled to the body with a shear pin, and the method further comprises the step of removing the frac mandrel by shearing the shear pin.

25. The method of claim 16 further comprising the step of producing a fluid from the formation through the production openings.

26. A method of treating and completing a well, comprising the steps of:
- positioning a downhole tool within a well, the downhole tool comprising:
 - a body defining a passageway and including a plurality of production openings and a plurality of frac openings;
 - a frac mandrel disposed within the passageway;
 - a setting tool coupled to an end of the frac mandrel; and
 - a plurality of packers disposed about the body;
 - setting a liner hanger with the setting tool;
 - securing the downhole tool in the well by setting the packers with the frac mandrel;
 - successively fracing a formation through respective ones of the frac openings to create a plurality of fractures in the formation at different locations within the well, wherein after each fracing step the method comprises the steps of:
 - packing the fracture by reducing a flow of process fluid through an annulus between the body and the well; and
 - reversing the circulation of process fluid through the downhole tool;
 - removing the frac mandrel from the well when finished with the last fracing step;
 - and
 - producing a fluid from the formation through the production openings.
27. The method of claim 26 wherein the step of positioning the downhole tool within the well comprises the step of positioning the downhole tool within an openhole well.
28. The method of claim 26 wherein the step of positioning the downhole tool within the well comprises the step of positioning the downhole tool within a cased well.
29. The method of claim 26 wherein the step of securing the downhole tool in the well comprises the step of disposing packers on either side of each frac opening.
30. The method of claim 26 further comprising the step of selectively causing a frac fluid to flow through respective ones of the frac openings with respective sleeves disposed within the passageway.

31. A method of treating and completing a well, comprising the steps of:
 - positioning a downhole tool within the well;
 - securing the downhole tool in the well by one or more packers;
 - performing a production enhancement operation through a body of the downhole tool; and
 - producing a fluid from a formation through a plurality of production openings formed in the body;wherein at least two of the above steps are performed in one trip into the well.
32. The method of claim 31 further comprising the step of setting a liner hanger.
33. The method of claim 31 wherein the packer is an inflatable packer, and the step of securing the downhole tool in the well comprises the step of inflating the inflatable packer with a frac fluid.

34. A single trip method of treating a well, comprising the steps of:
positioning a production liner within the well; and
performing a production enhancement operation through the production liner
without tripping.
35. The method of claim 34 further comprising the step of securing the production
liner in the well by one or more packers.
36. The method of claim 35 wherein each packer is an inflatable packer, and the step
of securing the production liner in the well comprises the step of inflating the inflatable
packers with a frac fluid.
37. The method of claim 34 further comprising the step of producing a fluid from a
formation through a plurality of production openings formed in the production liner.
38. The method of claim 34 further comprising the step of setting a liner hanger.